CD-3000 Series
Operator's Guide

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About MediaFORM, Inc.

Thank you for purchasing MediaFORM's CD-3000 standalone autoloading CD duplicator. MediaFORM manufactures a wide variety of CD duplication equipment. This includes manual and fully automatic CD and DVD duplicators, and printers. We hope you will consider us for all of your duplication needs.

What To Expect From Your MediaFORM CD Duplicator

Your MediaFORM CD-3000 CD duplicator is professionally designed and manufactured to give you years of trouble free operation. To avoid accidental damage to your new CD duplicator, please read and understand this manual thoroughly before operating the unit.

About This Manual

This manual is written for both novice and experienced users. Please read through this Operator's Guide from beginning to end before using the unit. Once having read the manual, follow along chapter by chapter. This will provide the necessary understanding of your new CD-3000 CD duplicator.

Getting Started

Carefully remove the CD-3000 CD duplicator from the shipping container. Inspect the contents, and verify them against the packing slip. Report any errors in shipping as soon as possible.

What's In The Box

Your new CD-3000 CD duplicator includes:

- CD-3000 CD duplicator
- Power cord
- Firmware CD
- Manual CD
- MediaFORM Product & Warranty Registration card

Packing Materials

Please retain the original box and packaging in the event that the unit requires future servicing. This will help to reduce the possibility of damage occurring in transit.

The Best Place To Put The CD-3000

The best operating location for the CD-3000 CD duplicator is in a climate-controlled area, free of dirt, dust, humidity, excessive heat, and electronic or electromagnetic interference. Room temperature should be between 65 and 75 degrees Fahrenheit, or between 18 and 23 degrees Celsius. Place the CD-3000 on a solid, steady work surface, and allow sufficient room for all incidental work materials. Provide at least six inches of clearance on all sides of the unit for ventilation.

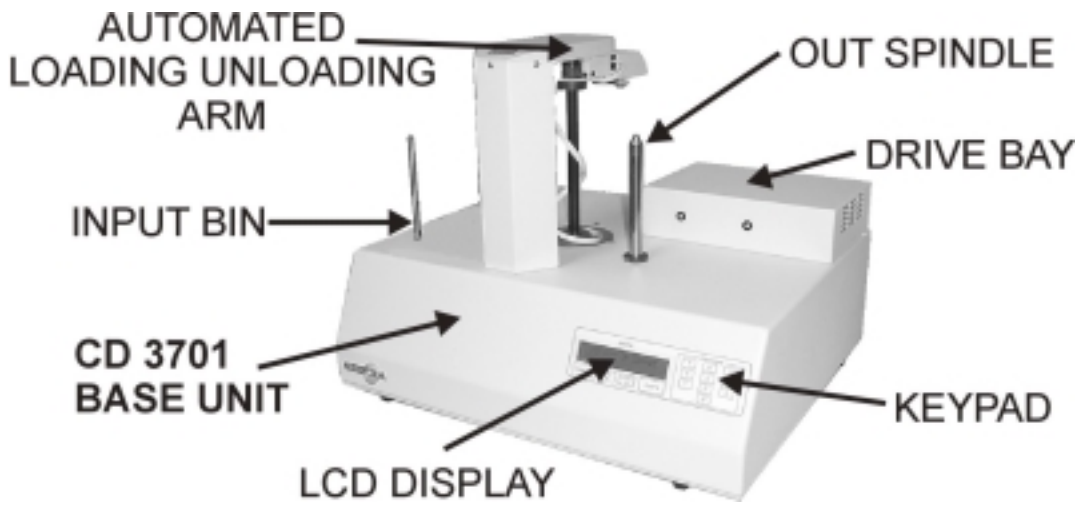
Safety Precautions

The system is shipped with a three-prong power connector, and must be used with a properly grounded AC receptacle. **DO NOT** try to defeat the third "ground" prong. All computer peripherals must be properly grounded, and the CD-3000 is no exception. The use of a power conditioner, such as an Uninterruptible Power Supply (UPS) or a surge protector, is highly recommended. The minimum required size is 500VA.

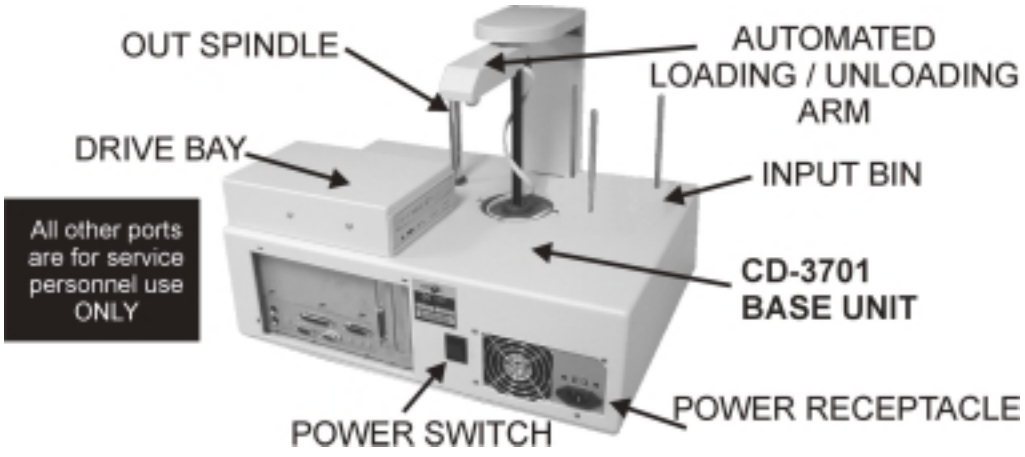
Repairs or alterations should only be attempted by authorized, factory-trained technicians. MediaFORM reserves the right to void the warranty if unauthorized service is performed.

Location Of CD-3701 Components

Front View

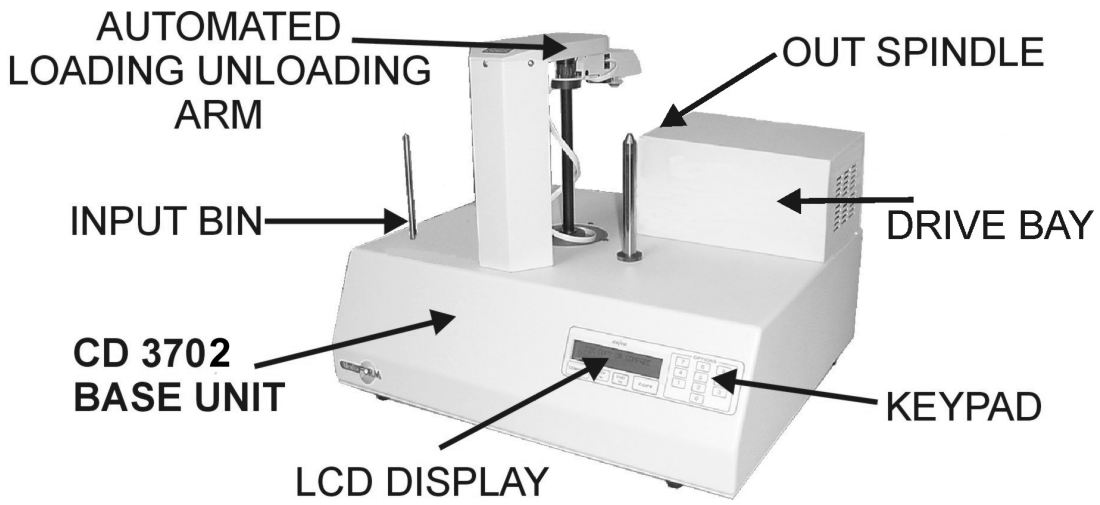


Rear View

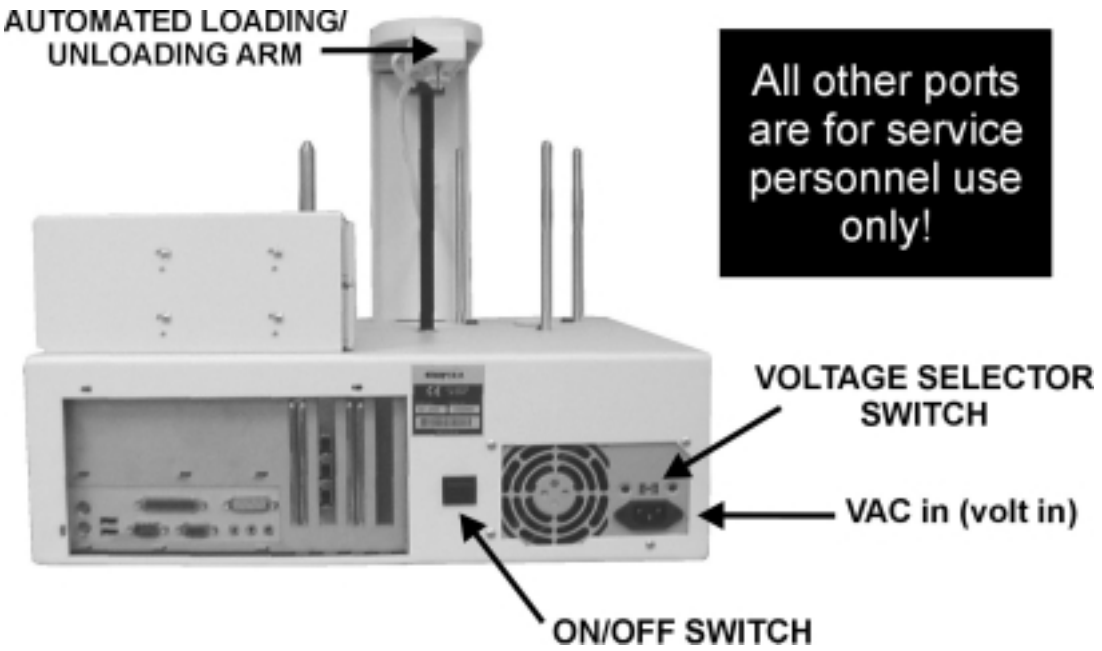


Location Of CD-3702 Components

Front View

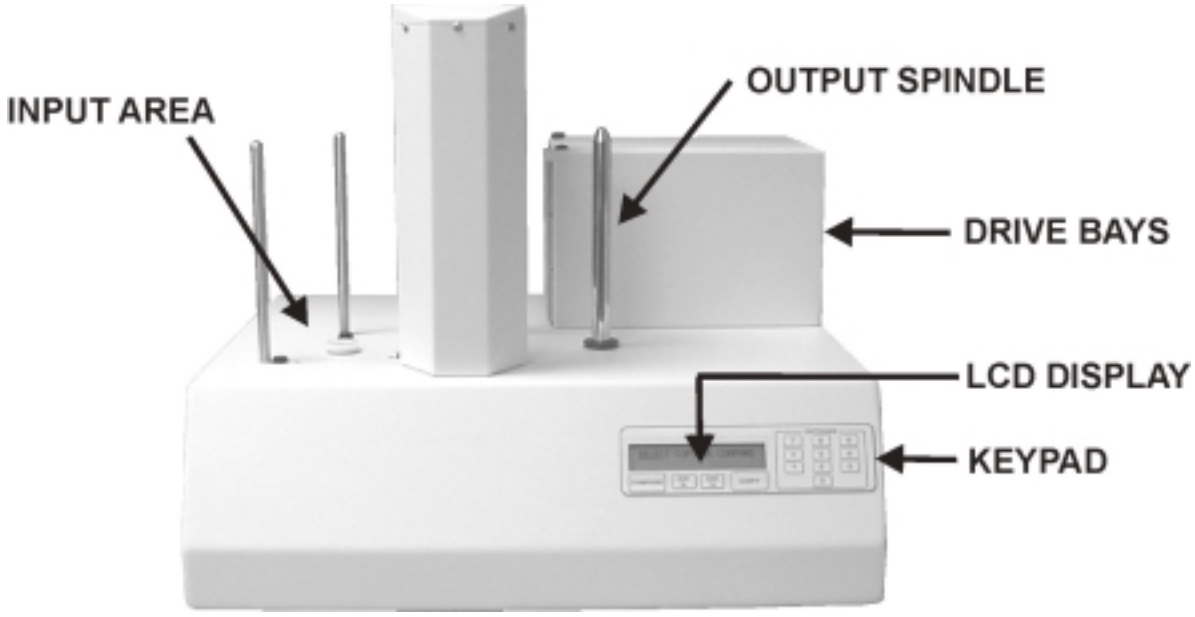


Rear View

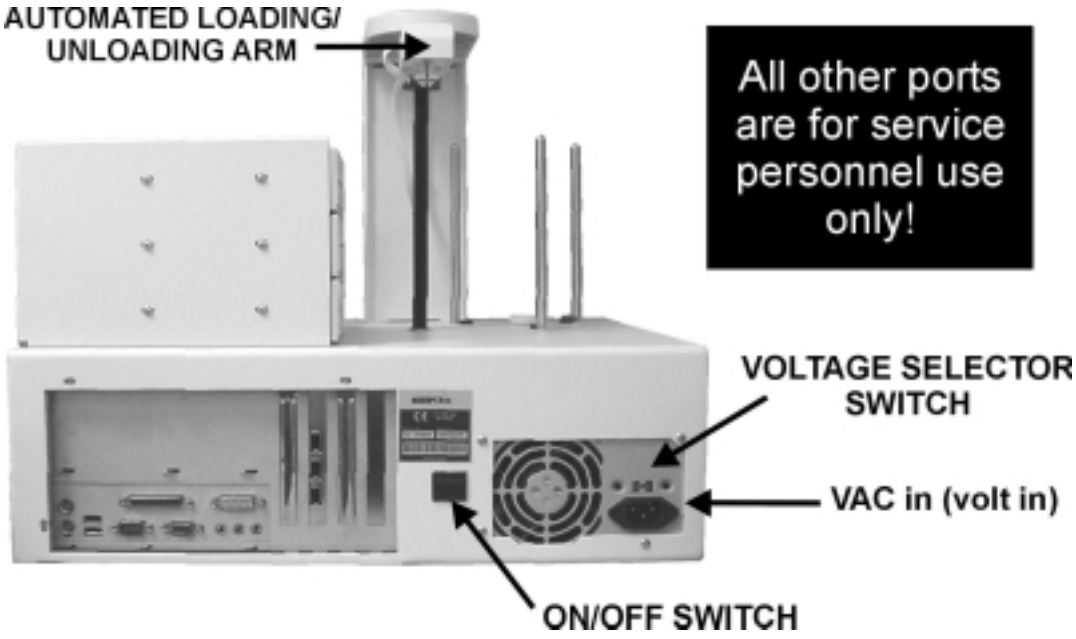

AUTOMATED LOADING/ UNLOADING ARM
All other ports are for service personnel use only!
VOLTAGE SELECTOR SWITCH
VAC in (volt in)
ON/OFF SWITCH

Location Of CD-3703 Components

Front View

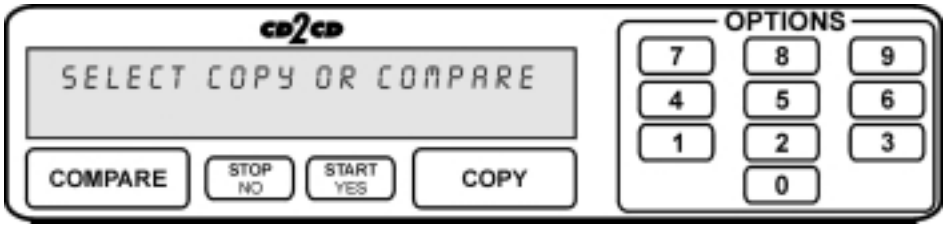


Rear View

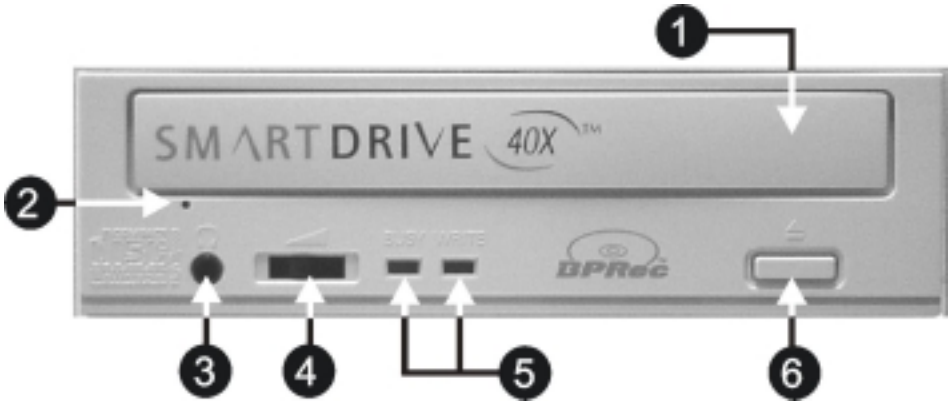


Location Of CD-R/RW Recorder Parts And Controls

LCD Display Screen And Keypad



SmartDRIVE 40X



Legend

1. **Disc tray** - Discs are loaded and removed from this tray. Pressing the eject button will open the tray when the power is switched on to the 3000 Series.
2. **Emergency eject pinhole** - In the event that the disc tray will not open by pressing the eject button, insert the tip of a large paper clip into this hole and push.
3. **Earphone jack**
4. **Volume Control**
5. **Read and write status LEDs** - These indicators light up when the recorder is reading or writing.
6. **Eject button** - This button is used to open or close the disc tray.

Removing Packing Restraints

The CD-3000 ships with a picker arm restraint to reduce the possibility of damage in transit. This restraint must be removed before operation or power-on. Gently remove the foam tube from around the transfer arm. Save the foam tube, as you will need to return it to its place when transporting the unit in the future.

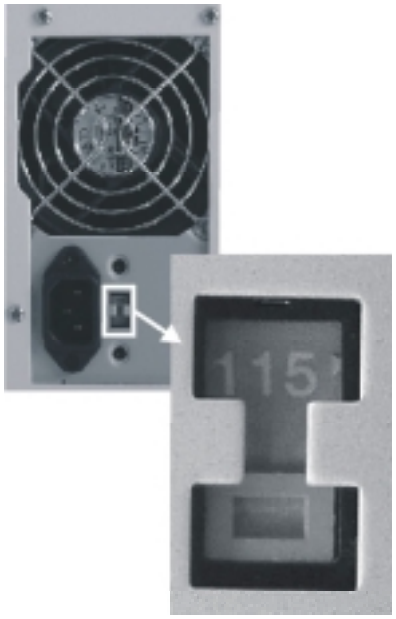
Input Bin And Output Spindle

The input bin and output spindle serve as the containers to store up to 100 blank and recorded discs.

System Startup

Before duplicating can begin it is necessary to review a few details.

- Plug one end of the supplied power cord into the upper receptacle at the rear of the unit.
- Next, verify that the voltage selector switch is set correctly. It is located between the two power receptacles. The CD-3000 supports both 115 VAC and 230 VAC at 50 ~ 60 Hz. Please confirm that the appropriate voltage (115 VAC for North America) has been selected.



CAUTION

Always use properly grounded receptacles or severe damage to your system may result. The use of a surge protector or Uninterruptible Power Supply (UPS) is highly recommended.

- Make sure you power on the unit using the switch seen below, which is located on the back of the CD-3000.

- Once the proper voltage setting has been confirmed, it is time to turn on the unit. The power switch is located at the back of the unit, next to the AC power input. Wait a minute or two while the system starts up. The screen will now read:

```
        MF INC.
DUPLICATION MADE EASY
```

After the startup routine is complete, a series of self-diagnostics will be performed. The screen will now read in sequence:

```
INITIALIZING SYSTEM
```

Once complete, the unit will display the main operating screen:

```
SELECT COPY OR COMPARE
```

Loading A Disc

- After the CD-3000's power has been switched on, press the eject button on the front of the recorder to open its disc tray.
- Load by carefully placing the disc (label side up) into the recessed area of the disc tray, so that the disc lays flat.
- Press the eject button on the front of the recorder to close the disc tray.

Removing A Disc

- While the CD-3000's power is still switched on, press the eject button on the front of the recorder to open the disc tray.
- After the disc tray has completely opened, lift the disc by its edges and carefully remove it.
- Press the eject button on the front of the recorder to close the disc tray.

General Operation

In addition to Relay Mode copying, the 3000 Series is extremely versatile and offers many useful and powerful features.

Function Keys

Various uses for the 3000 Series will be explained throughout this Operator's Guide. The following section explains the purpose of the function keys.

The numeric keys on the keypad have special functions when the main operating screen is displayed:

```
SELECT COPY OR COMPARE
```

- Press the "0" key on the keypad. The screen will now read:

```
MODE: COPY=1, SIMULATE=2
```

The factory setting for this function is "copy". The "simulate" mode is a diagnostic tool that is useful for testing the readability of a master disc, without actually writing to blank discs loaded into the recorder. It is also helpful for training purposes, and for experimenting with various system functions.

- Press the "1" key to select "copy" or the "2" key to select "simulate". After pressing either key, you will be returned to the main operating screen.

- Press the "1" key on the keypad. Something similar to the following will be displayed on the screen in sequence:

```
ANTSA 1.004n 07/31/02
 SOFTWARE REV (CARD 1B)
```

This is the version information of the firmware currently installed on the 3000 Series.

```
    IMAGE SIZE 255 MB
TIME: 12:19   DATE: 07/08/02
```

The size, creation date and time of all the hard disk images stored in the 3000 Series are displayed in sequence. If the ***Multiple Images*** feature is "disabled", the size of the current hard disk image is displayed.

```
VERIFY AFTER COPY
SYSTEM OPTIONS
```

This displays the ***Verify After*** status of the 3000 Series. The *Verify After* function will verify a copied disc against the master that it was burned from immediately after being copied.

```
MULTIPLE IMAGES
SYSTEM OPTIONS
```

This displays the ***Multiple Images*** status of the 3000 Series.

```
INSTALLED MEMORY: 1020MB
SYSTEM OPTIONS
```

This displays the installed memory of the 3000 Series.

```
TOTAL GOOD:      BAD:
SYSTEM OPTIONS
```

This is the 3000 Series' internal counter. It keeps track of the number of good and failed copies made by the unit since it was first activated.

Press the "2" key on the keypad. You will see several functions scroll across the screen. Select a function by pressing the corresponding number on the keypad. Enable or disable the function by pressing the "START/YES" or "STOP/NO" key.

```
0=VERIFY AFTER COPY
SELECT OPTION
```

The factory setting for this function is disabled. When enabled, the ***Verify After*** feature automatically compares discs to the master disc or hard disk image after copying is completed. Due to the nature of the various compact disc formats, only CD-ROM Mode 1, CD-ROM Mode 2, CD-ROM XA Mode 2 Form 1, and audio (CD-DA) discs can be compared.

```
1=MULTIPLE IMAGES
SELECT OPTION
```

The factory setting for this function is disabled. When enabled, the ***Multiple Images*** feature allows up to four images to be stored on the hard disk drive at one time. This setting will remain in effect until disabled, even after restarting the 3000 Series.

```
2=CLICK DETECTION
SELECT OPTION
```

The factory setting for this function is "enabled". When "disabled", the ***Click Detection*** feature allows masters with small random errors to be read to the hard drive. Caution should be taken when disabled, as masters that would normally be rejected will be allowed to be read-in. Undesirable results may occur.

```
3=COPY PROTECTION
SELECT OPTION
```

The factory setting for this function is "disabled". When "enabled", the ***Copy Protect*** feature will write copy protection information into data discs copied by the 3000 Series.

3

- Not used.

4

- Press the "4" key on the keypad. The screen will now read:

```
START LOADER TESTER?
[STOP]=NO    [START]=YES
```

When selected, the ***Loader Test Mode*** function allows you to manually control the robotic functions of the system, for troubleshooting and testing purposes.

```
[0]=C [1]=I [2]=A [3]=R
  SELECT TEST
```

- The "0" key recalibrates the picking arm
- The "1" key will load a disc from the input spindle
- The "2" key unloads the disc
- The "3" key rejects the disc

- Press the "STOP/NO" key to exit

5

- Press the "5" key on the keypad. The screen will now read:

```
START IMPORTING AUDIO?
  [STOP]=NO [START]=YES
```

- By using the ***Audio Track Import*** feature, audio compilation discs can be created one track at a time from one or more masters.
- Manually place an audio master disc into drive number 1.
- Press the "START/YES" key
- Press the number of the track you wish to import and press the "START/YES" key. Only one track may be imported at a time. All of the tracks will create one master image on the hard drive.
- Once you have imported all of the tracks, copy the image you just created from the hard drive as you normally would.

6

- Press the "6" key on the keypad. Something similar to the following will be displayed in sequence:

```
1(0,0)  GENERIC CRD BP1700
v:md00   RID:000902057089
```

This display is the device information for the recorder installed in the 3000 Series. This includes it's host number, model name, and firmware version.

7

- Press the "7" key on the keypad. The screen will now read:

```
CLEAR HD?
```

- Press the "START/YES" key to clear the hard drive.
  If the "STOP/NO" key is pressed you will be prompted to set the "System Time."

```
SET SYSTEM TIME?
```

- Press the "START/YES" key to set the system time.
  If the "STOP/NO" key is pressed you will be prompted to "Read Watermark."

```
READ WATERMARK?
```

The watermark is a unique electronic fingerprint. These fingerprints allow discs to be traced back to the specific unit and even to the recorder that wrote them. Watermarks are useful ways of dealing with unauthorized copying, authenticating discs as well as helping to diagnose copying problems.

- Press the "START/YES" key to read the watermark..
  If the "STOP/NO" key is pressed you will be prompted to "Read ATIP."

```
READ ATIP?
```

When selected, the ATIP function allows you to determine the manufacturer of the CD-R placed in drive 1 of the 3000 Series.

- If you pressed the Stop/No key at you will be prompted to "Set the Drive Order":

```
SET DRIVE ORDER?
```

- Press the "STOP/NO" key if you do not want to reset the drive order. Press the "START/YES" key and you will then see the following screen:

```
OPENING DRIVES...
```

- All of the drives will open at this time:

```
TESTING DRIVE STATUS
CLOSE DRIVE TRAY 1
```

- Close the drive tray of the drive you would like to be drive number "1". It can be any one of the drives. You will then see the following screen:

```
TESTING DRIVE STATUS
DRIVE 1 DETECTED
```

- Close the remaining drives in the order that you would like them to read

```
TESTING DRIVE STATUS
CLOSE DRIVE TRAY 2
```

8

- Press the "8" key on the keypad. The screen will now read:

```
SELECT RECORDING SPEED
[0]=16X [1]=24X [2]=40X
```

The factory setting for this function is "40x". When selected the ***Select Recording Speed*** feature allows you to set the copying speed as determined by the capabilities of the recorders installed in the 3000 Series.

- Press the "0" key to select 16x, or the "1" key for 24X or the "2" key for 40X. After pressing any of those keys, the screen will now read:

```
??x RECORDING SPEED
```

```
SELECT COPY OR COMPARE
```

9

- Press the "9" key on the keypad. Something similar to the following will be displayed in sequence:

```
IDLE
DEVICE 1 (0,0)
```

This displays the status of the last disc copied or compared in each of the 3000 Series' recorders. If the last operation performed was successful, the screen will report "OK". If problems were encountered, an error message will be displayed.

Creating A Hard Disk Image

The CD-3000 comes equipped with an internal hard disk drive, which can be used to store copies of master discs for later recording or comparing. Each master is saved as a single image file. Up to four images can be stored on the hard disk at one time.

A hard disk image is useful as a convenient way of copying standard master discs. For example, create hard disk images for three or four master discs which are needed on a regular basis, and access them to make copies as required.

Creating A Single Hard Disk Image

Although the CD-3000's internal hard disk can store up to four images of master discs, it is sometimes prudent not to use this ***Multiple Image*** feature and only allow one image to be created and stored. For example, using a single image simplifies the copying process. This reduces the chance that an operator might make copies of the wrong discs by selecting the incorrect hard disk image.

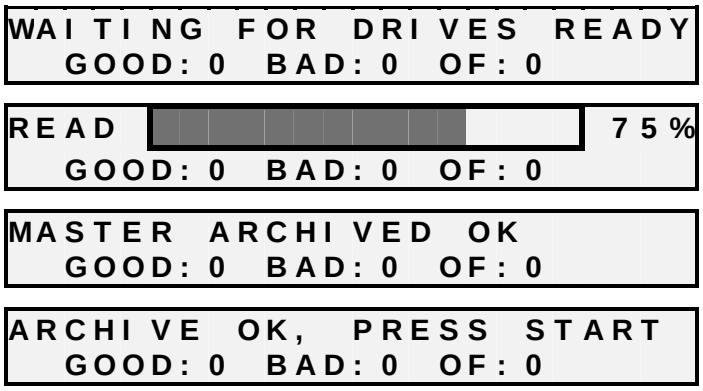
To create a single hard disk image, the steps are as follows:

- From the main operating screen depicted below:

- Press the "COPY" key. The screen will now read:

- Press the "STOP/NO" key. The screen will now read:

- Press the "START/YES" key. The screen will now read in sequence:


WAITING FOR DRIVES READY
GOOD: 0 BAD: 0 OF: 0
READ
75%
GOOD: 0 BAD: 0 OF: 0
MASTER ARCHIVED OK
GOOD: 0 BAD: 0 OF: 0
ARCHIVE OK, PRESS START
GOOD: 0 BAD: 0 OF: 0

The master disc is now stored as an image on the hard disk

Note: *If discs failed to copy properly they will be dropped in the reject area in front of the drive bay. These discs should not be used. To help you determine the nature of the problem, error messages can be displayed by pressing the "9" key on the keypad.*

- Press the "START/YES" key, and you will be returned to the main operating screen:

Note: *When the **Multiple Images** feature is disabled, only one image can be saved on the hard disk. If a new image is created, the old one is overwritten.*

Creating Multiple Hard Disk Images

The ***Multiple Images*** feature allows the CD-3000's internal hard disk to store up to four master disc images. The factory setting for this function is "disabled". To enable it, and create multiple image files, proceed as follows:

- From the main operating screen depicted below:

```
SELECT COPY OR COMPARE
```

- Press the "2" key. The screen will now read:

```
0=VERIFY AFTER COPY
SELECT OPTIONS
```

```
1=MULTIPLE IMAGES
SELECT OPTIONS
```

```
2=CLICK DETECTION
SELECT OPTIONS
```

```
3=COPY PROTECTION
SELECT OPTIONS
```

- Press the "1" key to select multiple images. The screen will now read:

```
MULTIPLE IMAGES MODE
    SELECT OPTION
```

- Press the "START/YES" key to enable "Multiple Images".

```
MULTIPLE IMAGES SELECTED
    SELECT OPTION
```

- You will then be returned to the main operating screen:

```
SELECT COPY OR COMPARE
```

- Press the "COPY" key. The screen will now read:

```
FROM HD?
```

- Press the "STOP/NO" key. The screen will now read:

```
COPY TO HD?
```

- Press the "START/YES" key. The screen will now read:

```
IMAGE A=[1] B=[2] C=[3]
    SELECT IMAGE
```

- Select the number that will designate the location of your master. The screen will then read in sequence:

```
LOADING MASTER....
```

```
WAITING FOR DRIVE READY
```

```
READ [■■■
```

Enabling Verify After

- From the main operating screen depicted below:

```
SELECT COPY OR COMPARE
```

- Press the "2" key and the screen will now display in sequence:

```
0=VERIFY AFTER COPY
SELECT OPTIONS
```

```
1=MULTIPLE IMAGES
SELECT OPTIONS
```

- Press the "0" key, and the screen will now read:

```
VERIFY AFTER COPY YES/NO
```

- Press the "START/YES" key to enable, or the "STOP/NO" key to disable the Verify After option. If you press the "START/YES" key the screen will read:

```
VERIFY AFTER COPY IS ON
```

- You will then be returned to the main operating screen.

```
SELECT COPY OR COMPARE
```

Copying From A Hard Disk Image

After a hard disk image has been created, it can be used as the copying master source. If you have not already created a hard disk image, do so now, as described in the previous section.

Multiple Images Disabled

To make copies from a hard disk image that was previously created with the ***Multiple Images*** feature "disabled" (i.e. from a single hard disk image), the steps are as follows:

- From the main operating screen depicted below:

- Load as many blank discs as are required into the input bin.
- Press the "COPY" key on the keypad. The screen will now read:

- Press the "START/YES" key to begin copying from the hard disk image, to the blank discs in the recorders. Depending on the format type of the image, something similar to the following will be displayed on the screen:

- Enter the quantity of discs you wish to copy up to 100:

Progress will be displayed on the screen during the operation:

- Press the "START/YES" key, and you will be returned to the main operating screen:

Note: *If discs failed to copy properly they will be dropped in the reject area in front of the drive bay. These discs should not be used. To help you determine the nature of the problem, error messages can be displayed by pressing the "9" key on the keypad.*

Multiple Images Enabled

To make copies from hard disk images that were previously created with the ***Multiple Images*** feature "enabled", the steps are as follows:

- From the main operating screen depicted below:

```
SELECT COPY OR COMPARE
```

- Load as many blank discs as are required into the input bin. Press the "COPY" key on the keypad. The screen will now read:

```
FROM HD?
```

- Press the "START/YES" key. The screen will now read:

```
IMAGE A=[1] B=[2] C=[3]
   SELECT IMAGE
```

Along the top line of the display will scroll the available images, identified by their number (1, 2, 3, and 4). The CD-3000 defaults to the first image (1). For the purposes of this example, press the "1" key to select this image, followed by the "START/YES" key. The screen will now read:

```
ENTER QUANTITY:
```

```
COPYING...
   GOOD:0 BAD:0 OF:0
```

Progress will be displayed on the screen during the operation:

```
COPY OK, PRESS START
   GOOD:0 BAD:0 OF:0
```

- Press the "START/YES" key, and you will be returned to the main operating screen:

Note: *If discs failed to copy properly they will be dropped in the reject area in front of the drive bay. These discs should not be used. To help you determine the nature of the problem, error messages can be displayed by pressing the "9" key on the keypad.*

Comparing From A Hard Disk Image

For quality control purposes, the CD-3000 is equipped with powerful verification capabilities. Copied discs can also be compared against hard disk images. This feature ensures copying integrity.

> ***Note:*** *Due to the nature of the various compact disc formats, only CD-ROM Mode 1, CD-ROM Mode 2, CD-ROM XA Mode 2 Form 1, and most CD formats can be compared.*

Multiple Images Disabled

To compare copied discs to a hard disk image that was previously created with the ***Multiple Images*** feature "disabled" (i.e. from a single hard disk image), the steps are as follows:

- From the main operating screen depicted below:

- Load the copied discs to be compared into the input bin.
- Press the "COMPARE" key on the keypad. The screen will now read:

- Press the "START/YES" key. The screen will now read:

Progress will be displayed on the screen during the operation:

Upon successful completion, the compared disc(s) will be ejected. The screen will now read:

- Press the "START/YES" key, and you will be returned to the main operating screen:

```
SELECT COPY OR COMPARE
```

Note: *If discs failed to copy properly they will be dropped in the reject area in front of the drive bay. These discs should not be used. To help you determine the nature of the problem, error messages can be displayed by pressing the "9" key on the keypad.*

Multiple Images Enabled

To compare copied discs to a hard disk image that was previously created with the ***Multiple Images*** feature "enabled", the steps are as follows:

- From the main operating screen depicted below:

```
SELECT COPY OR COMPARE
```

- Load the copied discs to be compared into the input bin.
- Press the "COMPARE" key on the keypad. The screen will now read:

```
COMPARE AGAINST HD?
```

- Press the "START/YES" key. The screen will now read:

```
IMAGE A=[1] B=[2] C=[3]
   SELECT IMAGE
```

- Select the image you would like to compare against by pressing 1, 2, 3, or 4,

```
ENTER QUANTITY:
```

Progress will be displayed on the screen during the operation:

```
COMPARING...
   GOOD:0 BAD:0 OF:0
```

Upon successful completion, the compared disc(s) will be ejected. The screen will now read:

```
COMPARE OK, PRESS START
   GOOD: 0  BAD: 0  OF: 0
```

- Press the "START/YES" key, and you will be returned to the main operating screen:

```
SELECT COPY OR COMPARE
```

Note: *If discs failed to copy properly they will be dropped in the reject area in front of the drive bay. These discs should not be used. To help you determine the nature of the problem, error messages can be displayed by pressing the "9" key on the keypad.*

Viewing SCSI Device Information

To view the CD-3000 SCSI device information, the steps are as follows:

- From the main operating screen depicted below:

- Press the "6" key. Something similar to the following will be displayed on the screen:

The device information is displayed for each of the CD-R/RW recorders installed in the CD-3000. This includes their host number, model name, and firmware version.

Working With CD-ReWritable (CD-RW) Discs

In addition to working with CD-Recordable (CD-R) discs, the CD-3000 can also copy both to and from CD-ReWritable (CD-RW) discs. CD-R discs are write-once and can be read on any CD audio player, CD-ROM, and MultiRead CD-ROM drive. CD-RW discs can be rewritten to as many as 1,000 times, and are read using MultiRead CD-ROM (usually 24x and faster), and CD-ROM drives.

CD-RW Supported Formats

The CD-3000 can copy CD-RW discs written in most logical formats (ISO 9660, audio, etc.) but not those created using the Universal Disk Format (UDF). CD-RW discs using UDF are produced by packet writing software (such as Adaptec DirectCD, CeQuadrat PacketCD, Prassi abCD, etc.). Because UDF discs cannot be read by all CD-ROM drives, they are not a good choice for distributing data.

CD-RW Copying Speed

CD-RW copying speed is determined by two factors - the CD-RW writing speed of the recorders installed in the CD-3000 (8x with Pioneer A03 drives), and the maximum speed rating of the discs themselves. CD-RW discs are manufactured with an internal speed code, which is checked before copying begins. The CD-3000, equipped with the SmartDRIVE 40X drives, will only accept 10x CD-ReWritable (CD-RW) discs.

Setting The Internal Clock

The CD-3000's internal clock is set at the factory for Eastern Standard Time (observing daylight savings when applicable).

To set the internal clock, the steps are as follows:

- Press the "7" key on the keypad. The screen will now read:

```
CLEAR HD?
```

Press the "STOP/NO" and you will be prompted to set the "System Time."

```
SET SYSTEM TIME?
```

- Press the "START/YES" key if you would like to set the system time. The screen will then read:

```
ENTER YEAR:
SETTING SYSTEM DATE
```

- Press the "START/YES" key after each entry.

```
ENTER MONTH:
SETTING SYSTEM DATE
```

```
ENTER DAY:
SETTING SYSTEM DATE
```

```
ENTER HOUR:
SETTING SYSTEM DATE
```

```
ENTER MINUTE:
SETTING SYSTEM DATE
```

- You will then be returned to the main operating screen:

```
SELECT COPY OR COMPARE
```

Firmware Updates

From time to time the CD-3000's internal "firmware" may need updating to add new features or improve existing functions. Firmware is easily updated by loading a "Firmware Update CD" into the system. The latest version of firmware will be available for downloading to your computer from the MediaFORM web site: www.mediaform.com Once a firmware image file is downloaded, a "Firmware Update CD" can then be written using a computer, a CD-R/RW recorder, and most popular premastering programs (such as: Adaptec Easy CD Creator and Toast, CeQuadrat WinOnCD, Ahead Nero, NTI CD-Maker, and others). Refer to your premastering software documentation for details on how to record a disc from an image file.

After having created a "Firmware Update CD", perform the following steps to update the CD-3000's firmware:

- From the main operating screen depicted below:

- Load the *Firmware Upgrade CD* into the top CD-R/RW recorder.
- Turn off the power to the 3000 Series.
- Turn on the power to the 3000 Series.
- The system will startup:

- You will see the "initializing system" screen:

- You will see the upgrade firmware screen:

- Press the "Start/Yes" key to upgrade the firmware.

- Upon completion, the system will automatically reboot.
- Remove the CD at this time.
- You will then see the following screens:

- You will then be returned to the main operating screen:

System Startup

- Turn on the power to the CD-3000. Wait a minute or two while the system starts up. The screen will now read:

```
      MF  I NC.
DUPLI CATI ON  MADE  EASY
```

  Once complete, the main operating screen is displayed on the screen:

```
SELECT  COPY  OR  COMPARE
```

- Turn on the power to the PC and the computer will recognize the CD-3000's CD-R/RW recorders as valid devices. Refer to the documentation that accompanied your premastering software for information on how to create CDs.

CAUTION

The CD-3000 cannot be operated in its normal standalone mode when attached to a PC. Do not attempt to execute any commands using the keypad, as this may lockup both the PC and the CD-3000.

Appendix A: Supported Formats

Originally designed for audio use, the Compact Disc (CD) evolved quickly and now employs a wide variety of formats for audio, data, and multimedia applications. The following is a list of the most popular formats currently supported by the CD-3000. Periodic firmware updates will be made available to deal with new formats as they appear. To obtain the latest version of firmware, contact your MediaFORM reseller or download the update from the MediaFORM web site: www.mediaform.com

Many CD formats are international or industry standards, but variations on them may emerge from time to time. Should you encounter a disc (which does not employ a copy protection scheme) that you cannot copy on your CD-3000, MediaFORM will do its best to promptly add support for this format. Dealing with custom formats, however, may be subject to a development charge.

Keeping track of how the various formats relate to each other can be confusing. For example, the CD-3000 can copy all CD-ROM Mode 1 discs - this includes ISO 9660, HFS, Hybrid, Rock Ridge and many other types of file systems. As a result, the CD-3000 will most likely copy CD formats not listed in the table below. If you require further assistance, please contact MediaFORM's technical support department at (610) 458-9200 or email: support@mediaform.com

CD-3000 Supported Formats CD-R/RW	
ISO 9660	CD-ROM Mode 1 & Mode 2
CD-DA (Compact Disc-Digital Audio)	CD-ROM XA Mode 2 Form 1 & Form 2
Hybrid (ISO 9660/HFS)	Single session
Hybrid (ISO 9660/HFS/Rock Ridge)	Multisession
Mixed Mode	Disc-at-Once and Track-at-Once
CD-I Form 1 & Form 2**	Rock Ridge
Native O/S's (NT, DOS, OS/2, UFS, HFS (Mac O/S), SUN, AS/400, AIX, etc.)	CD-Extra
Video CD	Romeo
Photo CD	Joliet
Picture CD	Bootable CD
CD-G*	Karaoke CD

CD-3000 Supported Formats
CD-ROM Mode 1
CD-ROM XA Mode 2 (form 1, form 2)
Photo CD (single and multi session)
CD-DA
CD-Extra (CD PLUS)
CD-R
CD-RW

*High-Speed CD-RW is not supported to write